AMD RYZEN 8000 Series

RAZER BLADE 14

POWERED BY AMD RYZEN™ 8040 SERIES PROCESSORS

2024

Small size. Big performance. Experience the incredibly portable Razer Blade paired with the power of AMD Ryzen™ processors for ultimate thin & light gaming.

HIGHLIGHTS

POWERFUL GAMING IN A THIN & LIGHT DESIGN

- Equipped with the latest AMD Ryzen™ 9 8945HS processor for winning mobile gaming performance[1], personal AI processing, & long-lasting battery life
- Incredible gaming in a compact 14" notebook with soaring frame rates in demanding titles
- Experience accelerated and efficient AI processing with AMD Ryzen™ AI built-in[2]

THE MOST PORTABLE RAZER BLADE AVAILABLE

- Easily take your gaming on the go with a design that's 17.9mm (0.7") thin and 1.84 kg (4.05lb) light
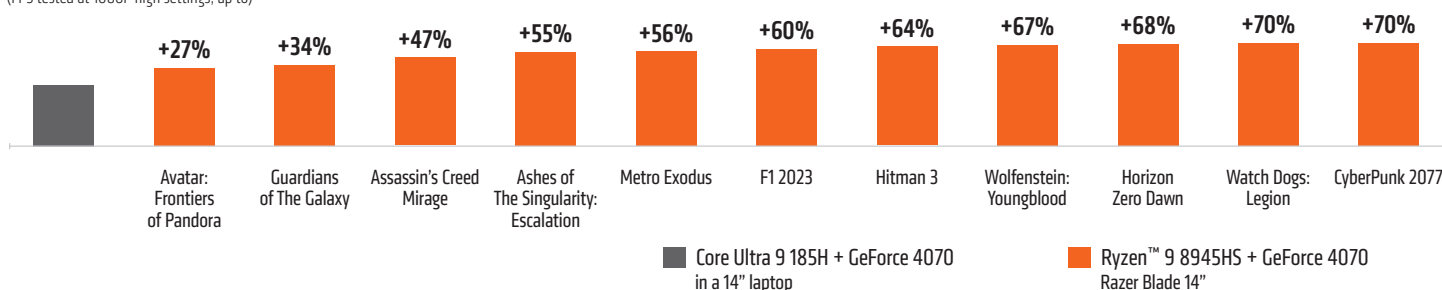- Up to 10.75 hours video playback battery life[3]

EDGE-TO-EDGE QUALITY & CLARITY

- See it all clearly on the 14" QHD+ 240HZ 16:10 display
- Equipped with AMD FreeSync™ Premium[4] technology to enjoy fast, fluid viewing without stutter
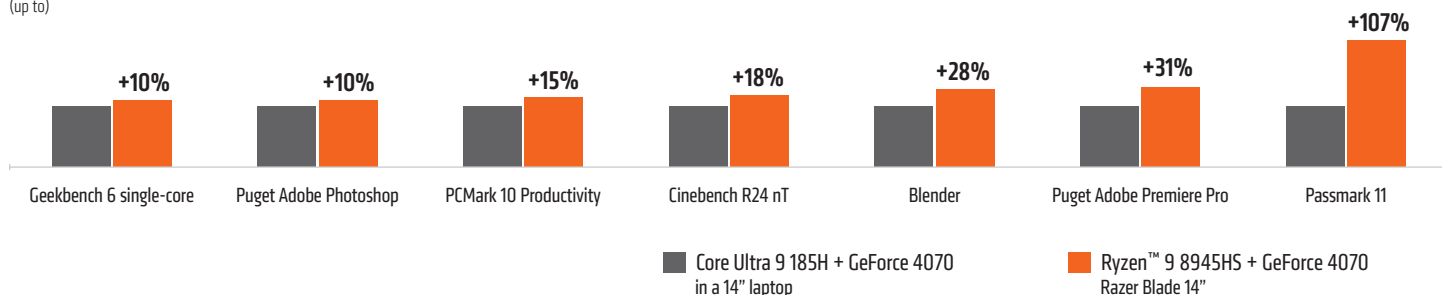
PURE GAMING SPEED[1]

On average
52% Faster Gaming
across 30 game titles vs Core Ultra 9 185H

(FPS tested at 1080P high settings, up to)

Game	Increase
Avatar: Frontiers of Pandora	+27%
Guardians of The Galaxy	+34%
Assassin's Creed Mirage	+47%
Ashes of The Singularity: Escalation	+55%
Metro Exodus	+56%
F1 2023	+60%
Hitman 3	+64%
Wolfenstein: Youngblood	+67%
Horizon Zero Dawn	+68%
Watch Dogs: Legion	+70%
CyberPunk 2077	+70%

■ Core Ultra 9 185H + GeForce 4070 in a 14" laptop
■ Ryzen™ 9 8945HS + GeForce 4070 Razer Blade 14"

FASTER APPLICATION PERFORMANCE[5]

(up to)

Benchmark	Increase
Geekbench 6 single-core	+10%
Puget Adobe Photoshop	+10%
PCMark 10 Productivity	+15%
Cinebench R24 nT	+18%
Blender	+28%
Puget Adobe Premiere Pro	+31%
Passmark 11	+107%

■ Core Ultra 9 185H + GeForce 4070 in a 14" laptop
■ Ryzen™ 9 8945HS + GeForce 4070 Razer Blade 14"

AMD

STAY ON THE GO WITH LONG-LASTING BATTERY LIFE[3]

Razer Blade 14 with AMD Ryzen™ 9 8945HS vs 14" laptop with Intel Core Ultra 9 185H

Up to

26% LONGER BATTERY LIFE FOR MICROSOFT TEAMS CALLS

Up to

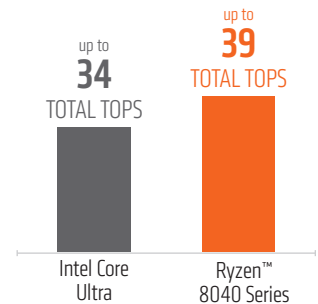## 18% LONGER BATTERY LIFE FOR VIDEO PLAYBACK

AMD RYZEN™ AI FOR PERSONAL AI PROCESSING

AMD RYZEN AI

Enjoy **100+** AI-enabled experiences available today on Ryzen™ AI PCs

AI PERFORMANCE
MORE AI TOPS THAN THE COMPETITION[6]

up to
34
TOTAL TOPS

up to
39
TOTAL TOPS

Intel Core Ultra

Ryzen™ 8040 Series

SPECIFICATIONS

Processor
- AMD Ryzen™ 9 8945HS (8-core/16-thread, 24MB total cache, up to 5.2 GHz boost[7])

AI Engine
- AMD Ryzen™ AI

Graphics
- Nvidia GeForce RTX 4070

Storage and Memory
- 1TB SSD (M.2 NVMe PCIe 4.0 x4)
- up to 32 GB DDR5-5600MHz memory

Battery
- 68.1 WHr battery
- up to 10.75 hours battery life[3]

Size
- Weight (approx): 1.84kg / 4.05 lb
- Dimensions (approx): 17.9mm x 228mm x 310.7mm (.7" x 8.97" x 12.23")

Connectivity
- Wi-Fi 7 and Bluetooth 5.4[8]

Design
- CNC-Milled Aluminum
- Anodized Finish with Fingerprint Resistive Coating
- Backlit Green Razer Logo

Display
- 14" QHD+ (2560 x 1600) 16:10
- 100% DCI-P3; 500 nits
- 240Hz refresh rate
- 3ms response time
- Anti-glare matte finish
- AMD FreeSync™ Premium

I/O ports
- 2 x USB4 Type-C Ports
- 2 X USB-A 3.2 Gen 2
- HDMI™ 2.1 output
- 3.5 mm headphone/microphone combo port

FOOTNOTES:

1. Testing as of Feb 2024 by AMD Performance Labs. Configuration for Razer Blade 14": Ryzen 9 8945HS processor, Nvidia RTX 4070 graphics, 32GB RAM, 1TB SSD, Windows 11 Pro. Configuration for HP OMEN Transcend 14": Core Ultra 9 185H processor, Nvidia RTX 4070 graphics, 32GB RAM, 1TB SSD, Windows 11 Pro. Both with VBS and ReBAR enabled. Laptops were tested using the following games at 1080p high: Dota 2, Grand Theft Auto 5, Warhammer: Dawn of War 3, Middle-Earth Shadow of War, Avatar: Frontiers of Pandora, Final Fantasy 14, Guardians of the Galaxy, Far Cry 6, The Callisto Protocol, Rift Breaker, Ghost Recon Breakpoint, Rainbow Six Siege, Assassin's Creed Valhalla, Deus Ex: Mankind Divided, Assassin's Creed Mirage, Tiny Tina's Wonderlands, Shadow of the Tomb raider, Red Dead Redemption 2, Total War: Warhammer 3, Strange Brigade, Borderlands 3, Ashes of the Singularity: Escalation, Metro Exodus, F1 2023, Hitman 3, Wolfenstein Youngblood, Horizon Zero Dawn, Watch Dogs: Legion, CyberPunk 2077, Dirt 5. PC manufacturers may vary configurations yielding different results. Results may vary. HWK-47

2. Ryzen™ AI is defined as the combination of a dedicated AI engine, AMD Radeon™ graphics engine, and Ryzen processor cores that enable AI capabilities. OEM and ISV enablement is required, and certain AI features may not yet be optimized for Ryzen AI processors. Ryzen AI is compatible with: (a) AMD Ryzen 7040 and 8040 Series processors except Ryzen 5 7540U, Ryzen 5 8540U, Ryzen 3 7440U, and Ryzen 3 8440U processors; and (b) all AMD Ryzen 8000G Series desktop processors except the Ryzen 5 8500G/GE and Ryzen 3 8300G/GE. Please check with your system manufacturer for feature availability prior to purchase. GD-220b.

3. Testing as of Feb 2024 by AMD Performance Labs. Configuration for Razer Blade 14": Ryzen 9 8945HS processor, Nvidia RTX 4070 graphics, 32GB RAM, 1TB SSD, Windows 11 Pro. Configuration for HP OMEN Transcend 14": Core Ultra 9 185H processor, Nvidia RTX 4070 graphics, 32GB RAM, 1TB SSD, Windows 11 Pro. Both with VBS and ReBAR enabled. Both systems ran video playback rundown and a Microsoft Teams call in power efficiency mode consisting of 9 participants (3X3). PC manufacturers may vary configurations yielding different results. Results may vary. HWK-49

4. AMD FreeSync/FreeSync Premium/FreeSync Premium Pro technology requires AMD Radeon graphics and a display certified by AMD. See www.amd.com/freesync for complete details. Confirm capability with your system or display manufacturer before purchase. GD-127.

5. Testing as of Feb 2024 by AMD Performance Labs. Configuration for Razer Blade 14": Ryzen 9 8945HS processor, Nvidia RTX 4070 graphics, 32GB RAM, 1TB SSD, Windows 11 Pro. Configuration for HP OMEN Transcend 14": Core Ultra 9 185H processor, Nvidia RTX 4070 graphics, 32GB RAM, 1TB SSD, Windows 11 Pro. Both with VBS and ReBAR enabled. Laptops were tested using the following benchmarks: Puget Adobe Premiere Pro, Puget Adobe Photoshop, Puget DaVinci Resolve, Blender, Cinebench R24, Geekbench 6, Passmark 11, PCMark 10. PCMark is a registered trademark of UL Solutions. PC manufacturers may vary configurations yielding different results. Results may vary. HWK-48

6. As of February, 2024, based on reported TOPS specifications for AMD Ryzen™ 8040 Series processors vs competitive Intel Core Ultra processors. HWK-35.

7. GD-150 Max boost for AMD Ryzen processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to: thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates.

8. Wi-Fi 6E, Wi-Fi 7 and Bluetooth 5.0 availability varies by laptop manufacturer and are system configuration dependent. Check with your laptop manufacturer for compatibility information. GD-149a

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HDMI

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